SpiralTrain
developer courses

Excel Programming with VBA

Duration: 2 days   **Price: € 1299**

Open Schedule

Audience Course Excel Programming with VBA
This course is for individuals who want to learn how to write macros in Excel for automating operations and data processing.

Prerequisites for Course Excel Programming with VBA
In order to participate in this course good knowledge of and practical experience with Excel is required.

Realization Training Excel Programming with VBA
The theory is discussed on the basis of presentation slides. Illustrative demos give further clarification of the concepts. The theory is interspersed with practical exercises. Course times are from 9:30 up and to 16:30.

Certification Excel Programming with VBA
After successful completion of the course, participants receive an official certificate Excel Programming with VBA.

VBA Excel Programming

Content Course Excel Programming with VBA

In the course VBA Excel Programming you will learn how VBA, Visual Basic for Applications, can be used to write macros in Excel with VBA and to program in Excel. Excel is a spreadsheet application that is part of the Microsoft Office package. Excel consists of many related objects that can be accessed with VBA.

Intro VBA in Excel
The course starts with recording macros in Excel and then viewing and adjusting the VBA code behind these macros. In particular the parts of VBA Excel that are important for controlling Excel are treated.

VBA Syntax
Next attention is paid to the syntax of the VBA language in which statements, variables and control flow constructs are discussed.

Features
An important part of the course concerns the use of functions in Excel. The course covers how you can write functions yourself that you can then call from VBA code.

VBA Excel Object Model
The so-called VBA Excel Object model and its properties and functions with which Excel can be controlled are also on the program of the course.

DAO
Furthermore attention is paid to how databases can be accessed from Excel with the DAO, Data Access Objects, object model.

Events
Finally events and their handling are covered. Events are generated by user interaction such as pressing buttons or entering commands via the keyboard. These events are important for controlling Excel. After completing this course, the participants are able to automate many tasks in Excel and process large amounts of data.

Modules Course Excel Programming with VBA

Module 1 : VBA Intro	Module 2 : VBA Syntax	Module 3 : Control flow
Macro's in Excel	Variables	Selections
Recording and playing macro's	Constants	If Statements
Visual Basic Editor	Declarations	Else Statements
Programming in VBA	Data Types	If Then Else
Entering code	Modules	Select case
VBA Code	Objects	Iterations
Statements	Breakpoints	For Next
Comments	Debugging	Do Loop
Interaction with the user	Syntax errors	With end with
Messagebox and Inputbox	Error handling	Arrays in VBA
Module 4 : Functions	**Module 5 : Excel Object Model**	**Module 6 : Events**
Parameters	Object model	What are Events?
Arguments	Workbooks	Event Types
Return values	Worksheets	Reacting on events
Finding functions	Cells	Event handling
Defining functions	Rows and columns	Event canceling
Using Excel functions	Data Access Objects	Event function
Creating dialogs	Excel Database Access	Domain functions